



United States Department of the Interior

FISH AND WILDLIFE SERVICE

Upper Columbia River Basin Field Office
11103 E. Montgomery Drive
Spokane, WA 99206

U.S. EPA Region 10

FEB - 1 1999

January 28, 1999
OFFICE OF WATER

Marcia G. Lagerloef
US Environmental Protection Agency
Region 10
1200 Sixth Avenue
Seattle, WA 98101

Subject: Phase I Revisions to the Water Quality Standards For Washington State,
Reference No. 1-9-99-SP-096; (600.0450)

Dear Ms. Lagerloef:

This responds to your letter dated December 14, 1998 and received by us on January 19, 1999, requesting information on listed species that may be present in Eastern Washington. Enclosed is a list of listed threatened and endangered species, candidate species and species of concern (Enclosure A), that may be present in the vicinity of the proposed project. The list fulfills the requirements of the Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act of 1973, as amended (Act).

Please note the presence of a new plant species on this list: *Spiranthes diluvialis* (Ute ladies'-tresses), an orchid. This species was listed as threatened in January 1992. At that time, it was known only in northern and eastern Utah, and central Colorado. Subsequently, a few other small occurrences have been found, including along the Snake River in southern Idaho. A small population, less than 20 individuals, was discovered in Okanogan County, Washington, in 1997. Therefore, until adequate surveys have been conducted, it should be anticipated that Ute ladies'-tresses might occur in suitable habitats throughout Idaho and Washington.

This orchid is known to inhabit vegetated wetland and riparian areas with sparse to absent canopies, including springs habitats, and mesic to wet meadows, river meanders and floodplains. It is found above 1500 feet, below the lower margin of montane forests, generally in wet areas in open shrub or grassland, or in the transitional zone. This species may be adversely affected by modifications of its habitat associated with livestock grazing, vegetation removal, excavation, construction, stream channelization, and other actions that alter hydrology. Enclosure C provides a detailed species description and other information about this species.

We have also enclosed a copy of the requirements for federal action agency compliance under the Act (Enclosure B). Enclosure B includes a discussion of the contents of the biological assessment

(BA), the analysis of the impacts of your project on listed species. Regulations require that if your BA is not started within 180 days, you verify the current accuracy of the list with us.

Should your biological assessment determine that a listed species is likely to be affected (adversely or beneficially) by the project, the action agency should request section 7 consultation through this office. If the biological assessment determines that the proposed action is "not likely to adversely affect" a listed species, the agency should request Service concurrence with that determination through the informal consultation process. If the biological assessment shows a "no effect" situation, we would appreciate receiving a copy for our information.

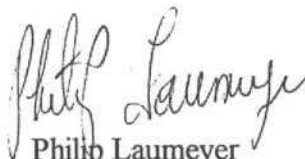
Candidate species and species of concern receive no protection under the Act, but are included for your use during early planning of the project. These species could be proposed or listed during project planning and come under the scope of the Act. Protection provided to these species now may preclude possible listing in the future. If evaluation of your project indicates that it is likely to adversely impact one of these species, you may wish to request technical assistance from this office.

Several species of anadromous fishes have been listed by the National Marine Fisheries Service (NMFS). Some of these species may occur in the vicinity of your project. Please contact NMFS in Seattle, WA at (206)526-6150, or in Portland, OR, at (503)231-2319, to request a species list.

Federal and state regulations may require permits in areas where wetlands are identified. Contact the Seattle District of the U.S. Army Corps of Engineers for federal permit requirements and the Washington State Department of Ecology for state permit requirements.

If you have any questions about this letter or your responsibilities under the Act, please contact Linda Hallock at 509-921-0160. Thank you for your efforts to protect our nation's species and their habitats.

Sincerely,

A handwritten signature in dark ink, appearing to read "Philip Laumeyer". The signature is fluid and cursive, with the first name "Philip" and last name "Laumeyer" clearly distinguishable.

Philip Laumeyer
Field Supervisor

Enclosures

C: WDFW, Region 1, 2, 3, 5
WNHP, Olympia

**LISTED AND PROPOSED ENDANGERED AND THREATENED SPECIES,
CRITICAL HABITAT AND CANDIDATE SPECIES
THAT MAY OCCUR IN
THE COUNTIES OF EASTERN WASHINGTON
AS LISTED BY THE U.S. FISH AND WILDLIFE SERVICE
January 27, 1999**

FWS Reference: 1-9-99-SP-096

Major concerns that should be addressed in your biological assessment of project impacts to listed threatened, endangered, or proposed species are:

1. Level of use of the project area by listed species.
2. Effect of the project on listed species' primary food stocks and foraging areas in all areas influenced by the project.
3. Impacts from project construction and implementation (e.g. increased noise levels, increased human activity and/or access, loss or degradation of habitat) which may result in disturbance to listed species and/or their avoidance of the project area.

For information regarding species listed by the National Marine Fisheries Service, please call (206)526-6150 in Seattle, WA, or (503)231-2319 in Portland, OR.

ADAMS COUNTY

LISTED

Endangered

Peregrine falcon (*Falco peregrinus*)

Threatened

Bald eagle (*Haliaeetus leucocephalus*)

¹*Spiranthes diluvialis* (Ute ladies'-tresses)

CANDIDATE

None

SPECIES OF CONCERN

Animals

Black tern (*Chlidonias niger*)

Columbia spotted frog (*Rana luteiventris*) (= *Rana pretiosa*, eastern population)
Ferruginous hawk (*Buteo regalis*)
Fringed myotis (bat) (*Myotis thysanodes*)
Loggerhead shrike (*Lanius ludovicianus*)
Northern sagebrush lizard (*Sceloporus graciosus graciosus*)
Pacific lamprey (*Lampetra tridentata*)
Pale Townsend's (= western) big-eared bat (*Corynorhinus* (= *Plecotus*) *townsendii pallescens*)
Small-footed myotis (bat) (*Myotis ciliolabrum*)
Washington ground squirrel (*Spermophilus washingtoni*)
Western burrowing owl (*Athene cunicularia hypugea*)
Yuma myotis (bat) (*Myotis yumanensis*)

Plants

Polemonium pectinatum (Washington polemonium)

¹This species was discovered in Okanogan County in 1997, the first known occurrence in Washington. It was previously known from the Snake River basin in Idaho and a few locations in Colorado, Montana, Nebraska and Wyoming. Until adequate surveys have been made it should be considered to be possibly present. Please see the enclosed description for further information.

ASOTIN COUNTY

LISTED

Endangered

Peregrine falcon (*Falco peregrinus*)

Threatened

Bald eagle (*Haliaeetus leucocephalus*)

Bull trout (*Salvelinus confluentus*)

¹*Spiranthes diluvialis* (Ute ladies'-tresses)

PROPOSED

None

CANDIDATE

None

SPECIES OF CONCERN

Animals

Black tern (*Chlidonias niger*)

California bighorn sheep (*Ovis canadensis californiana*)

California floater (mussel) (*Anodonta californiensis*)

Columbia pebblesnail (*Fluminicola* (= *Lithoglyphus*) *columbianus*) [great Columbia River spire snail]

Columbia spotted frog (*Rana luteiventris*) (= *Rana pretiosa*, eastern population)

Ferruginous hawk (*Buteo regalis*)

Fringed myotis (bat) (*Myotis thysanodes*)

Harlequin duck (*Histrionicus histrionicus*)

Loggerhead shrike (*Lanius ludovicianus*)

Long-eared myotis (bat) (*Myotis evotis*)

Long-legged myotis (bat) (*Myotis volans*)

Margined sculpin (*Cottus marginatus*)

Northern goshawk (*Accipiter gentilis*)

Olive-sided flycatcher (*Contopus borealis*)

Pacific fisher (*Martes pennanti pacifica*)

Pacific lamprey (*Lampetra tridentata*)

Pale Townsend's (= western) big-eared bat (*Corynorhinus* (= *Plecotus*) *townsendii pallescens*)

Redband trout (*Oncorhynchus mykiss gairdnerii*)

Small-footed myotis (bat) (*Myotis ciliolabrum*)

Tailed frog (*Ascaphus truei*)

Western burrowing owl (*Athene cunicularia hypugea*)

²Westslope cutthroat trout (*Oncorhynchus* (= *Salmo*) *clarki lewisi*)

Yuma myotis (bat) (*Myotis yumanensis*)

Plants

Lupinus cusickii (Cusick's lupine)

Silene spaldingii (Spalding's silene)

¹This species was discovered in Okanogan County in 1997, the first known occurrence in Washington. It was previously known from the Snake River basin in Idaho and a few locations in Colorado, Montana, Nebraska and Wyoming. Until adequate surveys have been made it should be considered to be possibly present. Please see the enclosed description for further information.

² The Service has been petitioned to list this species under the Endangered Species Act. Although petitioned species receive no protection under the Act, a petition is an early step in the listing process. In its 90-day finding, published June 10, 1998, in the Federal Register (63 FR 31691), the Service found that the petition presented substantial information that listing this species may be warranted. The Service is now surveying the status of the species range-wide, preparatory to making a 12-month finding, due March 10, 1999.

BENTON COUNTY

LISTED

Endangered

Peregrine falcon (*Falco peregrinus*)

Threatened

Bald eagle (*Haliaeetus leucocephalus*)

Bull trout (*Salvelinus confluentus*)

¹*Spiranthes diluvialis* (Ute ladies'-tresses)

PROPOSED

None

CANDIDATE

None

SPECIES OF CONCERN

Animals

Black tern (*Chlidonias niger*)

California floater (mussel) (*Anodonta californiensis*)

Columbia pebblesnail (*Fluminicola* (= *Lithoglyphus*) *columbianus*) [great Columbia River spire snail]

Ferruginous hawk (*Buteo regalis*)

Fringed myotis (bat) (*Myotis thysanodes*)

Loggerhead shrike (*Lanius ludovicianus*)

Lynn's clubtail (dragonfly) (*Gomphus lynnae*)

Margined sculpin (*Cottus marginatus*)

Northern sagebrush lizard (*Sceloporus graciosus graciosus*)

Pacific lamprey (*Lampetra tridentata*)

Pale Townsend's (= western) big-eared bat (*Corynorhinus* (= *Plecotus*) *townsendii pallescens*)

Pygmy rabbit (*Brachylagus idahoensis*)

River lamprey (*Lampetra ayresi*)

Small-footed myotis (bat) (*Myotis ciliolabrum*)

Western burrowing owl (*Athene cunicularia hypugea*)

Yuma myotis (bat) (*Myotis yumanensis*)

Plants

Astragalus columbianus (Columbia milk-vetch)
Eriogonum codium (Umtanum wild buckwheat)
Haplopappus liatrisformis (Palouse goldenweed)
Lomatium tuberosum (Hoover's desert-parsley)
Rorippa columbiae (Columbia yellow-cress)

¹This species was discovered in Okanogan County in 1997, the first known occurrence in Washington. It was previously known from the Snake River basin in Idaho and a few locations in Colorado, Montana, Nebraska and Wyoming. Until adequate surveys have been made it should be considered to be possibly present. Please see the enclosed description for further information.

CHELAN COUNTY

LISTED

Endangered

Gray wolf (*Canis lupus*)
Peregrine falcon (*Falco peregrinus*)

Threatened

Bald eagle (*Haliaeetus leucocephalus*)
Bull trout (*Salvelinus confluentus*)
Grizzly bear (*Ursus arctos* = *U.a. horribilis*)
Marbled murrelet (*Brachyramphus marmoratus marmoratus*)
Northern spotted owl (*Strix occidentalis caurina*)
¹*Spiranthes diluvialis* (Ute ladies'-tresses)

Designated

Critical habitat for the northern spotted owl

PROPOSED

Canada lynx (*Lynx canadensis*)
Sidalcea oregana var. *calva* (Wenatchee Mountains checkermallow)

CANDIDATE

None

SPECIES OF CONCERN

Animals

Black tern (*Chlidonias niger*)
California bighorn sheep (*Ovis canadensis californiana*)
California floater (mussel) (*Anodonta californiensis*)
California wolverine (*Gulo gulo luteus*)
Cascades frog (*Rana cascadae*)
Columbia pebblesnail (*Fluminicola* (= *Lithoglyphus*) *columbianus*) [great Columbia River spire snail]
Columbian sharp-tailed grouse (*Tympanuchus phasianellus columbianus*)
Columbia spotted frog (*Rana luteiventris*) (= *Rana pretiosa*, eastern population)
Ferruginous hawk (*Buteo regalis*)
Fringed myotis (bat) (*Myotis thysanodes*)

Leopard frog (*Rana pipiens*)
 Little willow flycatcher (*Empidonax traillii brewsteri*)
 Loggerhead shrike (*Lanius ludovicianus*)
 Long-eared myotis (bat) (*Myotis evotis*)
 Long-legged myotis (bat) (*Myotis volans*)
 Northern goshawk (*Accipiter gentilis*)
 Northern sagebrush lizard (*Sceloporus graciosus graciosus*)
 Olive-sided flycatcher (*Contopus borealis*)
 Pacific fisher (*Martes pennanti pacifica*)
 Pacific lamprey (*Lampetra tridentata*)
 Pale Townsend's (= western) big-eared bat (*Corynorhinus (=Plecotus) townsendii pallescens*)
 Redband trout (*Oncorhynchus mykiss gairdnerii*)
 Small-footed myotis (bat) (*Myotis ciliolabrum*)
 Tailed frog (*Ascaphus truei*)
 Western burrowing owl (*Athene cunicularia hypugea*)
 Western gray squirrel (*Sciurus griseus griseus*)
 Western sage grouse (*Centrocercus urophasianus phaios*)
²Westslope cutthroat trout (*Oncorhynchus (= Salmo) clarki lewisi*)
 Yuma myotis (bat) (*Myotis yumanensis*)

Plants

Astragalus sinuatus (whited milk-vetch)
Botrychium paradoxum (grape-fern)
Cypripedium fasciculatum (clustered lady's-slipper)
Delphinium viridescens (Wenatchee larkspur)
Hackelia venusta (showy stickseed)
Petrophyton cinerascens (Chelan rockmat)
Silene seelyi (Seely's silene)
Trifolium thompsonii (Thompson's clover)

¹This species was discovered in Okanogan County in 1997, the first known occurrence in Washington. It was previously known from the Snake River basin in Idaho and a few locations in Colorado, Montana, Nebraska and Wyoming. Until adequate surveys have been made it should be considered to be possibly present. Please see the enclosed description for further information.

² The Service has been petitioned to list this species under the Endangered Species Act. Although petitioned species receive no protection under the Act, a petition is an early step in the listing process. In its 90-day finding, published June 10, 1998, in the Federal Register (63 FR 31691), the Service found that the petition presented substantial information that listing this species may be warranted. The Service is now surveying the status of the species range-wide, preparatory to making a 12-month finding, due March 10, 1999.

COLUMBIA COUNTY

LISTED

Endangered

Peregrine falcon (*Falco peregrinus*)

Threatened

Bald eagle (*Haliaeetus leucocephalus*)

Bull trout (*Salvelinus confluentus*)

¹*Spiranthes diluvialis* (Ute ladies'-tresses)

PROPOSED

None

CANDIDATE

None

SPECIES OF CONCERN

Animals

Black tern (*Chlidonias niger*)

California bighorn sheep (*Ovis canadensis californiana*)

California floater (mussel) (*Anodonta californiensis*)

Columbia pebblesnail (*Fluminicola* (= *Lithoglyphus*) *columbianus*) [great Columbia River spire snail]

Columbia spotted frog (*Rana luteiventris*) (= *Rana pretiosa*, eastern population)

Ferruginous hawk (*Buteo regalis*)

Fringed myotis (bat) (*Myotis thysanodes*)

Harlequin duck (*Histrionicus histrionicus*)

Loggerhead shrike (*Lanius ludovicianus*)

Long-eared myotis (bat) (*Myotis evotis*)

Long-legged myotis (bat) (*Myotis volans*)

Northern goshawk (*Accipiter gentilis*)

Northern sagebrush lizard (*Sceloporus graciosus graciosus*)

Olive-sided flycatcher (*Contopus borealis*)

Pacific lamprey (*Lampetra tridentata*)

Pale Townsend's (= western) big-eared bat (*Corynorhinus* (= *Plecotus*) *townsendii pallescens*)

Redband trout (*Oncorhynchus mykiss gairdnerii*)

River lamprey (*Lampetra ayresi*)

Small-footed myotis (bat) (*Myotis ciliolabrum*)

Tailed frog (*Ascaphus truei*)

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Washington ground squirrel (*Spermophilus washingtoni*)

Western burrowing owl (*Athene cunicularia hypugea*)

²Westslope cutthroat trout (*Oncorhynchus* (= *Salmo*) *clarki lewisi*)

Yuma myotis (bat) (*Myotis yumanensis*)

Plants

None

¹This species was discovered in Okanogan County in 1997, the first known occurrence in Washington. It was previously known from the Snake River basin in Idaho and a few locations in Colorado, Montana, Nebraska and Wyoming. Until adequate surveys have been made it should be considered to be possibly present. Please see the enclosed description for further information.

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DOUGLAS COUNTY

LISTED

Endangered

Peregrine falcon (*Falco peregrinus*)

Threatened

Bald eagle (*Haliaeetus leucocephalus*)

Bull trout (*Salvelinus confluentus*)

¹*Spiranthes diluvialis* (Ute ladies'-tresses)

PROPOSED

None

CANDIDATE

None

SPECIES OF CONCERN

Animals

Black tern (*Chlidonias niger*)

California floater (mussel) (*Anodonta californiensis*)

California wolverine (*Gulo gulo luteus*)

Columbia pebblesnail (*Fluminicola* (= *Lithoglyphus*) *columbianus*) [great Columbia River spire snail]

Columbian sharp-tailed grouse (*Tympanuchus phasianellus columbianus*)

Columbia spotted frog (*Rana luteiventris*) (= *Rana pretiosa*, eastern population)

Ferruginous hawk (*Buteo regalis*)

Fringed myotis (bat) (*Myotis thysanodes*)

Loggerhead shrike (*Lanius ludovicianus*)

Long-eared myotis (bat) (*Myotis evotis*)

Long-legged myotis (bat) (*Myotis volans*)

Northern goshawk (*Accipiter gentilis*)

Northern sagebrush lizard (*Sceloporus graciosus graciosus*)

Olive-sided flycatcher (*Contopus borealis*)

Pacific lamprey (*Lampetra tridentata*)

Pale Townsend's (= western) big-eared bat (*Corynorhinus* (= *Plecotus*) *townsendii pallescens*)

Pygmy rabbit (*Brachylagus idahoensis*)

Redband trout (*Oncorhynchus mykiss gairdnerii*)

Small-footed myotis (bat) (*Myotis ciliolabrum*)

Washington ground squirrel (*Spermophilus washingtoni*)
Western burrowing owl (*Athene cunicularia hypugea*)
Western sage grouse (*Centrocercus urophasianus phaios*)
²Westslope cutthroat trout (*Oncorhynchus* (= *Salmo*) *clarki lewisi*)
Yuma myotis (bat) (*Myotis yumanensis*)

Plants

Delphinium viridescens (Wenatchee larkspur)
Petrophyton cinerascens (Chelan rockmat)
Phacelia lenta (sticky phacelia)
Trifolium thompsonii (Thompson's clover)

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FERRY COUNTY

LISTED

Endangered

Gray wolf (*Canis lupus*)
 Peregrine falcon (*Falco peregrinus*)

Threatened

Bald eagle (*Haliaeetus leucocephalus*)
 Bull trout (*Salvelinus confluentus*)
 Grizzly bear (*Ursus arctos* = *U.a. horribilis*)
¹*Spiranthes diluvialis* (Ute ladies'-tresses)

PROPOSED

Canada lynx (*Lynx canadensis*)

CANDIDATE

None

SPECIES OF CONCERN

Animals

Black tern (*Chlidonias niger*)
 California bighorn sheep (*Ovis canadensis californiana*)
 California floater (mussel) (*Anodonta californiensis*)
 California wolverine (*Gulo gulo luteus*)
 Columbian sharp-tailed grouse (*Tympanuchus phasianellus columbianus*)
 Columbia spotted frog (*Rana luteiventris*) (= *Rana pretiosa*, eastern population)
 Fringed myotis (bat) (*Myotis thysanodes*)
 Loggerhead shrike (*Lanius ludovicianus*)
 Long-eared myotis (bat) (*Myotis evotis*)
 Long-legged myotis (bat) (*Myotis volans*)
 Northern goshawk (*Accipiter gentilis*)
 Northern sagebrush lizard (*Sceloporus graciosus graciosus*)
 Olive-sided flycatcher (*Contopus borealis*)
 Pacific fisher (*Martes pennanti pacifica*)
 Pacific lamprey (*Lampetra tridentata*)
 Pale Townsend's (= western) big-eared bat (*Corynorhinus* (= *Plecotus*) *townsendii pallescens*)
 Redband trout (*Oncorhynchus mykiss gairdnerii*)

Small-footed myotis (bat) (*Myotis ciliolabrum*)

Western burrowing owl (*Athene cunicularia hypugea*)

²Westslope cutthroat trout (*Oncorhynchus* (= *Salmo*) *clarki lewisi*)

Yuma myotis (bat) (*Myotis yumanensis*)

Plants

Botrychium ascendens

Botrychium crenulatum

Botrychium paradoxum

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FRANKLIN COUNTY

LISTED

Endangered

Peregrine falcon (*Falco peregrinus*)

Threatened

Bald eagle (*Haliaeetus leucocephalus*)

Bull trout (*Salvelinus confluentus*)

¹*Spiranthes diluvialis* (Ute ladies'-tresses)

PROPOSED

None

CANDIDATE

None

SPECIES OF CONCERN

Animals

Black tern (*Chlidonias niger*)

Columbia pebblesnail (*Fluminicola* (= *Lithoglyphus*) *columbianus*) [great Columbia River spire snail]

Ferruginous hawk (*Buteo regalis*)

Fringed myotis (bat) (*Myotis thysanodes*)

Lynn's clubtail (dragonfly) (*Gomphus lynnae*)

Loggerhead shrike (*Lanius ludovicianus*)

Northern sagebrush lizard (*Sceloporus graciosus graciosus*)

Pacific lamprey (*Lampetra tridentata*)

Pale Townsend's (= western) big-eared bat (*Corynorhinus* (= *Plecotus*) *townsendii pallescens*)

River lamprey (*Lampetra ayresi*)

Small-footed myotis (bat) (*Myotis ciliolabrum*)

Washington ground squirrel (*Spermophilus washingtoni*)

Western burrowing owl (*Athene cunicularia hypugea*)

Yuma myotis (bat) (*Myotis yumanensis*)

Plants

Lesquerella tuplashensis (White Bluffs bladder-pod)

¹This species was discovered in Okanogan County in 1997, the first known occurrence in Washington. It was previously known from the Snake River basin in Idaho and a few locations in Colorado, Montana, Nebraska and Wyoming. Until adequate surveys have been made it should be considered to be possibly present. Please see the enclosed description for further information.

GARFIELD COUNTY

LISTED

Endangered

Peregrine falcon (*Falco peregrinus*)

Threatened

Bald eagle (*Haliaeetus leucocephalus*)

Bull trout (*Salvelinus confluentus*)

¹*Spiranthes dihuvalis* (Ute ladies'-tresses)

CANDIDATE

None

SPECIES OF CONCERN

Animals

Black tern (*Chlidonias niger*)

California bighorn sheep (*Ovis canadensis californiana*)

California floater (mussel) (*Anodonta californiensis*)

Columbia pebblesnail (*Fluminicola* (= *Lithoglyphus*) *columbianus*) [great Columbia River spire snail]

Columbia spotted frog (*Rana luteiventris*) (= *Rana pretiosa*, eastern population)

Ferruginous hawk (*Buteo regalis*)

Fringed myotis (bat) (*Myotis thysanodes*)

Harlequin duck (*Histrionicus histrionicus*)

Loggerhead shrike (*Lanius ludovicianus*)

Long-eared myotis (bat) (*Myotis evotis*)

Long-legged myotis (bat) (*Myotis volans*)

Northern goshawk (*Accipiter gentilis*)

Northern sagebrush lizard (*Sceloporus graciosus graciosus*)

Olive-sided flycatcher (*Contopus borealis*)

Pacific lamprey (*Lampetra tridentata*)

Pale Townsend's (= western) big-eared bat (*Corynorhinus* (= *Plecotus*) *townsendii pallescens*)

Preble's shrew (*Sorex preblei*)

Redband trout (*Oncorhynchus mykiss gairdnerii*)

Small-footed myotis (bat) (*Myotis ciliolabrum*)

Tailed frog (*Ascaphus truei*)

Western burrowing owl (*Athene cunicularia hypugea*)

²Westslope cutthroat trout (*Oncorhynchus* (= *Salmo*) *clarki lewisi*)

Yuma myotis (bat) (*Myotis yumanensis*)

Plants

Calochortus nitidus (broad-fruit mariposa)

Cypripedium fasciculatum (clustered lady's-slipper)

Lupinus cusickii (Cusick's lupine)

Rubus nigerrimus (northwest raspberry)

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GRANT COUNTY

LISTED

Endangered

Peregrine falcon (*Falco peregrinus*)

Threatened

Bald eagle (*Haliaeetus leucocephalus*)

Bull trout (*Salvelinus confluentus*)

¹*Spiranthes diluvialis* (Ute ladies'-tresses)

PROPOSED

None

CANDIDATE

None

SPECIES OF CONCERN

Animals

Black tern (*Chlidonias niger*)

California floater (mussel) (*Anodonta californiensis*)

Columbia pebblesnail (*Fluminicola* (= *Lithoglyphus*) *columbianus*) [great Columbia River spire snail]

Columbian sharp-tailed grouse (*Tympanuchus phasianellus columbianus*) Columbia spotted frog (*Rana luteiventris*) (= *Rana pretiosa*, eastern population)

Columbia spotted frog (*Rana luteiventris*) (= *Rana pretiosa*, eastern population) Ferruginous hawk (*Buteo regalis*)

Fringed myotis (bat) (*Myotis thysanodes*)

Loggerhead shrike (*Lanius ludovicianus*)

Northern leopard frog (*Rana pipiens*)

Northern sagebrush lizard (*Sceloporus graciosus graciosus*)

Pacific lamprey (*Lampetra tridentata*)

Pale Townsend's (= western) big-eared bat (*Corynorhinus* (= *Plecotus*) *townsendii pallescens*)

Potholes meadow vole (*Microtus pennsylvanicus kincaidi*)

Redband trout (*Oncorhynchus mykiss gairdnerii*)

Small-footed myotis (bat) (*Myotis ciliolabrum*)

Washington ground squirrel (*Spermophilus washingtoni*)

Western burrowing owl (*Athene cunicularia hypugea*)

Western sage grouse (*Centrocercus urophasianus phaios*)

²Westslope cutthroat trout (*Oncorhynchus* (= *Salmo*) *clarki lewisi*)
Yuma myotis (bat) (*Myotis yumanensis*)

Plants

Artemisia campestris var. *wormskioldii* (northern wormwood)
Lomatium tuberosum (Hoover's desert-parsley)
Oxytropis campestris var. *wanapum* (Wanapum crazyweed)
Rorippa columbiae (Columbia yellow-cress)

¹This species was discovered in Okanogan County in 1997, the first known occurrence in Washington. It was previously known from the Snake River basin in Idaho and a few locations in Colorado, Montana, Nebraska and Wyoming. Until adequate surveys have been made it should be considered to be possibly present. Please see the enclosed description for further information.

² The Service has been petitioned to list this species under the Endangered Species Act. Although petitioned species receive no protection under the Act, a petition is an early step in the listing process. In its 90-day finding, published June 10, 1998, in the Federal Register (63 FR 31691), the Service found that the petition presented substantial information that listing this species may be warranted. The Service is now surveying the status of the species range-wide, preparatory to making a 12-month finding, due March 10, 1999.

KITTITAS COUNTY

LISTED

Endangered

Gray wolf (*Canis lupus*)
Peregrine falcon (*Falco peregrinus*)

Threatened

Bald eagle (*Haliaeetus leucocephalus*)
Bull trout (*Salvelinus confluentus*)
Grizzly bear (*Ursus arctos* = *U.a. horribilis*)
Marbled murrelet (*Brachyramphus marmoratus marmoratus*)
Northern spotted owl (*Strix occidentalis caurina*)
¹*Spiranthes diluvialis* (Ute ladies'-tresses)

Designated

Critical habitat for the northern spotted owl

PROPOSED

Sidalcea oregana var. *calva* (Wenatchee Mountains checkermallow)

CANDIDATE

Erigeron basalticus (basalt daisy)

SPECIES OF CONCERN

Animals

Black tern (*Chlidonias niger*)
California bighorn sheep (*Ovis canadensis californiana*)
California wolverine (*Gulo gulo luteus*)
Cascades frog (*Rana cascadae*)
Columbia spotted frog (*Rana luteiventris*) (= *Rana pretiosa*, eastern population)
Ferruginous hawk (*Buteo regalis*)
Fringed myotis (bat) (*Myotis thysanodes*)
Harlequin duck (*Histrionicus histrionicus*)
Larch Mountain salamander (*Plethodon larselli*)
Little willow flycatcher (*Empidonax traillii brewsteri*)
Loggerhead shrike (*Lanius ludovicianus*)

Long-eared myotis (bat) (*Myotis evotis*)
 Long-legged myotis (bat) (*Myotis volans*)
 Northern goshawk (*Accipiter gentilis*)
 Olive-sided flycatcher (*Contopus borealis*)
 Pacific fisher (*Martes pennanti pacifica*)
 Pacific lamprey (*Lampetra tridentata*)

Pale Townsend's (= western) big-eared bat (*Corynorhinus* (= *Plecotus*) *townsendii pallescens*)
 Redband trout (*Oncorhynchus mykiss gairdnerii*)
 Small-footed myotis (bat) (*Myotis ciliolabrum*)
 Tailed frog (*Ascaphus truei*)
 Western gray squirrel (*Sciurus griseus griseus*)
 Western burrowing owl (*Athene cunicularia hypugea*)
 Western sage grouse (*Centrocercus urophasianus phaios*)
²Westslope cutthroat trout (*Oncorhynchus* (= *Salmo*) *clarki lewisi*)
 Yuma myotis (bat) (*Myotis yumanensis*)

Plants

Astragalus columbianus (Columbia milk-vetch)
Cypripedium fasciculatum (clustered lady's-slipper)
Delphinium viridescens (Wenatchee larkspur)
Lomatium tuberosum (Hoover's desert-parsley)
Phacelia minutissima (dwarf or least phacelia)
Silene seelyi (Seely's silene)
Tauschia hooveri (Hoover's tauschia)

¹This species was discovered in Okanogan County in 1997, the first known occurrence in Washington. It was previously known from the Snake River basin in Idaho and a few locations in Colorado, Montana, Nebraska and Wyoming. Until adequate surveys have been made it should be considered to be possibly present. Please see the enclosed description for further information.

² The Service has been petitioned to list this species under the Endangered Species Act. Although petitioned species receive no protection under the Act, a petition is an early step in the listing process. In its 90-day finding, published June 10, 1998, in the Federal Register (63 FR 31691), the Service found that the petition presented substantial information that listing this species may be warranted. The Service is now surveying the status of the species range-wide, preparatory to making a 12-month finding, due March 10, 1999.

KLICKITAT COUNTY

LISTED

Endangered

Gray wolf (*Canis lupus*)
Peregrine falcon (*Falco peregrinus*)

Threatened

Bald eagle (*Haliaeetus leucocephalus*)
Bull trout (*Salvelinus confluentus*)
Northern spotted owl (*Strix occidentalis caurina*)
¹*Spiranthes diluvialis* (Ute ladies'-tresses)

Designated

Critical habitat for the northern spotted owl

PROPOSED

None

CANDIDATE

Oregon spotted frog (*Rana pretiosa*)

SPECIES OF CONCERN

Animals

Black tern (*Chlidonias niger*)
California floater (mussel) (*Anodonta californiensis*)
Cascades frog (*Rana cascadae*)
Columbia pebblesnail (*Fluminicola* (= *Lithoglyphus*) *columbianus*) [great Columbia River spire snail]
Columbia spotted frog (*Rana luteiventris*) (= *Rana pretiosa*, eastern population)
Ferruginous hawk (*Buteo regalis*)
Fringed myotis (bat) (*Myotis thysanodes*)
Harlequin duck (*Histrionicus histrionicus*)
Larch Mountain salamander (*Plethodon larselli*)
Little willow flycatcher (*Empidonax traillii brewsteri*)
Loggerhead shrike (*Lanius ludovicianus*)
Long-eared myotis (bat) (*Myotis evotis*)
Long-legged myotis (bat) (*Myotis volans*)

Northern goshawk (*Accipiter gentilis*)
 Northern sagebrush lizard (*Sceloporus graciosus graciosus*)
 Northwestern pond turtle (*Clemmys marmorata marmorata*)
 Olive-sided flycatcher (*Contopus borealis*)
 Pacific lamprey (*Lampetra tridentata*)

 Pacific Townsend's (= western) big-eared bat (*Corynorhinus (=Plecotus) townsendii townsendii*)
 Pale Townsend's (= western) big-eared bat (*Corynorhinus (=Plecotus) townsendii pallescens*)
 Pygmy rabbit (*Brachylagus idahoensis*)
 Redband trout (*Oncorhynchus mykiss gairdnerii*)
 River lamprey (*Lampetra ayresi*)
 Small-footed myotis (bat) (*Myotis ciliolabrum*)
 Tailed frog (*Ascaphus truei*)
 Western gray squirrel (*Sciurus griseus griseus*)
 Western burrowing owl (*Athene cunicularia hypugea*)
²Westslope cutthroat trout (*Oncorhynchus (= Salmo) clarki lewisi*)
 Yuma myotis (bat) (*Myotis yumanensis*)

Plants

Artemisia campestris var. *wormskioldii* (northern wormwood)
Astragalus pulsiferae var. *suksdorfii* (Ames' milk-vetch)
Calochortus longebarbatus var. *longebarbatus* (Long-haired star-tulip)
Cypripedium fasciculatum (clustered lady's-slipper)
Lomatium suksdorfii (Suksdorf's desert-parsley)
Meconella oregana (white meconella)
Penstemon barrettiae (Barrett's beardtongue)
Ranunculus reconditus (obscure buttercup)
Rorippa columbiae (Columbia yellow-cress)
Sisyrinchium sarmentosum (pale blue-eyed grass)

¹This species was discovered in Okanogan County in 1997, the first known occurrence in Washington. It was previously known from the Snake River basin in Idaho and a few locations in Colorado, Montana, Nebraska and Wyoming. Until adequate surveys have been made it should be considered to be possibly present. Please see the enclosed description for further information.

² The Service has been petitioned to list this species under the Endangered Species Act. Although petitioned species receive no protection under the Act, a petition is an early step in the listing process. In its 90-day finding, published June 10, 1998, in the Federal Register (63 FR 31691), the Service found that the petition presented substantial information that listing this species may be warranted. The Service is now surveying the status of the species range-wide, preparatory to making a 12-month finding, due March 10, 1999.

LINCOLN COUNTY

LISTED

Endangered

Peregrine falcon (*Falco peregrinus*)

Threatened

Bald eagle (*Haliaeetus leucocephalus*)

Bull trout (*Salvelinus confluentus*)

¹*Spiranthes diluvialis* (Ute ladies'-tresses)

PROPOSED

None

CANDIDATE

None

SPECIES OF CONCERN

Animals

Black tern (*Chlidonias niger*)

California floater (mussel) (*Anodonta californiensis*)

Columbia pebblesnail (*Fluminicola* (= *Lithoglyphus*) *columbianus*) [great Columbia River spire snail]

Columbian sharp-tailed grouse (*Tympanuchus phasianellus columbianus*)

Columbia spotted frog (*Rana luteiventris*) (= *Rana pretiosa*, eastern population)

Ferruginous hawk (*Buteo regalis*)

Fringed myotis (bat) (*Myotis thysanodes*)

Loggerhead shrike (*Lanius ludovicianus*)

Northern sagebrush lizard (*Sceloporus graciosus graciosus*)

Olive-sided flycatcher (*Contopus borealis*)

Pacific lamprey (*Lampetra tridentata*)

Pale Townsend's (= western) big-eared bat (*Corynorhinus* (= *Plecotus*) *townsendii pallescens*)

Small-footed myotis (bat) (*Myotis ciliolabrum*)

Washington ground squirrel (*Spermophilus washingtoni*)

Western burrowing owl (*Athene cunicularia hypugea*)

Yuma myotis (bat) (*Myotis yumanensis*)

Plants

Lupinus cusickii (Cusick's lupine)

Polemonium pectinatum (Washington polemonium)
Silene spaldingii (Spalding's silene)

¹This species was discovered in Okanogan County in 1997, the first known occurrence in Washington. It was previously known from the Snake River basin in Idaho and a few locations in Colorado, Montana, Nebraska and Wyoming. Until adequate surveys have been made it should be considered to be possibly present. Please see the enclosed description for further information.

OKANOGAN COUNTY**LISTED**Endangered

Gray wolf (*Canis lupus*)
Peregrine falcon (*Falco peregrinus*)

Threatened

Bald eagle (*Haliaeetus leucocephalus*)
Bull trout (*Salvelinus confluentus*)
Grizzly bear (*Ursus arctos* = *U.a. horribilis*)
Northern spotted owl (*Strix occidentalis caurina*)
¹*Spiranthes diluvialis* (Ute ladies'-tresses)

Designated

Critical habitat for the northern spotted owl

PROPOSED

Canada lynx (*Lynx canadensis*)

CANDIDATE

None

SPECIES OF CONCERNAnimals

Black tern (*Chlidonias niger*)
California bighorn sheep (*Ovis canadensis californiana*)
California floater (mussel) (*Anodonta californiensis*)
California wolverine (*Gulo gulo luteus*)
Cascades frog (*Rana cascadae*)
Columbia pebblesnail (*Fluminicola* (= *Lithoglyphus*) *columbianus*) [great Columbia River spire snail]
Columbian sharp-tailed grouse (*Tympanuchus phasianellus columbianus*)
Columbia spotted frog (*Rana luteiventris*) (= *Rana pretiosa*, eastern population)
Fringed myotis (bat) (*Myotis thysanodes*)
Harlequin duck (*Histrionicus histrionicus*)
Loggerhead shrike (*Lanius ludovicianus*)
Long-eared myotis (bat) (*Myotis evotis*)

Long-legged myotis (bat) (*Myotis volans*)
Northern goshawk (*Accipiter gentilis*)
Northern sagebrush lizard (*Sceloporus graciosus graciosus*)
Olive-sided flycatcher (*Contopus borealis*)
Pacific fisher (*Martes pennanti pacifica*)
Pacific lamprey (*Lampetra tridentata*)
Pale Townsend's (= western) big-eared bat (*Corynorhinus* (= *Plecotus*) *townsendii pallescens*)
Redband trout (*Oncorhynchus mykiss gairdnerii*)
Small-footed myotis (bat) (*Myotis ciliolabrum*)
Tailed frog (*Ascaphus truei*)
Western gray squirrel (*Sciurus griseus griseus*)
Western burrowing owl (*Athene cunicularia hypugea*)
Western sage grouse (*Centrocercus urophasianus phaios*)
²Westslope cutthroat trout (*Oncorhynchus* (= *Salmo*) *clarki lewisi*)
Yuma myotis (bat) (*Myotis yumanensis*)

Plants

Botrychium ascendens
Botrychium crenulatum
Botrychium paradoxum

¹This species was discovered in Okanogan County in 1997, the first known occurrence in Washington. It was previously known from the Snake River basin in Idaho and a few locations in Colorado, Montana, Nebraska and Wyoming. Until adequate surveys have been made it should be considered to be possibly present. Please see the enclosed description for further information.

² The Service has been petitioned to list this species under the Endangered Species Act. Although petitioned species receive no protection under the Act, a petition is an early step in the listing process. In its 90-day finding, published June 10, 1998, in the Federal Register (63 FR 31691), the Service found that the petition presented substantial information that listing this species may be warranted. The Service is now surveying the status of the species range-wide, preparatory to making a 12-month finding, due March 10, 1999.

PEND OREILLE COUNTY

LISTED

Endangered

Gray wolf (*Canis lupus*)
 Peregrine falcon (*Falco peregrinus*)
 Woodland caribou (*Rangifer tarandus caribou*)

Threatened

Bald eagle (*Haliaeetus leucocephalus*)
 Bull trout (*Salvelinus confluentus*)
 Grizzly bear (*Ursus arctos* = *U.a. horribilis*)
¹*Spiranthes diluvialis* (Ute ladies'-tresses)

PROPOSED

Canada lynx (*Lynx canadensis*)

CANDIDATE

None

SPECIES OF CONCERN

Animals

Black tern (*Chlidonias niger*)
 California bighorn sheep (*Ovis canadensis californiana*)
 California wolverine (*Gulo gulo luteus*)
 Columbia spotted frog (*Rana luteiventris*) (= *Rana pretiosa*, eastern population)
 Fringed myotis (bat) (*Myotis thysanodes*)
 Harlequin duck (*Histrionicus histrionicus*)
 Long-eared myotis (bat) (*Myotis evotis*)
 Long-legged myotis (bat) (*Myotis volans*)
 Northern goshawk (*Accipiter gentilis*)
 Northern leopard frog (*Rana pipiens*)
 Olive-sided flycatcher (*Contopus borealis*)
 Pacific fisher (*Martes pennanti pacifica*)
 Potholes meadow vole (*Microtus pennsylvanicus kincaidi*)
 Pale Townsend's (= western) big-eared bat (*Corynorhinus* (= *Plecotus*) *townsendii pallescens*)
 Redband trout (*Oncorhynchus mykiss gairdnerii*)
²Westslope cutthroat trout (*Oncorhynchus* (= *Salmo*) *clarki lewisi*)

Yuma myotis (bat) (*Myotis yumanensis*)Plants*Botrychium ascendens**Botrychium crenulatum**Botrychium pedunculatum*

¹This species was discovered in Okanogan County in 1997, the first known occurrence in Washington. It was previously known from the Snake River basin in Idaho and a few locations in Colorado, Montana, Nebraska and Wyoming. Until adequate surveys have been made it should be considered to be possibly present. Please see the enclosed description for further information.

² The Service has been petitioned to list this species under the Endangered Species Act. Although petitioned species receive no protection under the Act, a petition is an early step in the listing process. In its 90-day finding, published June 10, 1998, in the Federal Register (63 FR 31691), the Service found that the petition presented substantial information that listing this species may be warranted. The Service is now surveying the status of the species range-wide, preparatory to making a 12-month finding, due March 10, 1999.

SPOKANE COUNTY

LISTED

Endangered

Peregrine falcon (*Falco peregrinus*)

Threatened

Bald eagle (*Haliaeetus leucocephalus*)

Bull trout (*Salvelinus confluentus*)

Howellia aquatilis (water howellia)

¹*Spiranthes diluvialis* (Ute ladies'-tresses)

PROPOSED

None

CANDIDATE

None

SPECIES OF CONCERN

Animals

Black tern (*Chlidonias niger*)

California floater (mussel) (*Anodonta californiensis*)

Columbia pebblesnail (*Fluminicola* (= *Lithoglyphus*) *columbianus*) [great Columbia River spire snail]

Columbia spotted frog (*Rana luteiventris*) (= *Rana pretiosa*, eastern population)

Ferruginous hawk (*Buteo regalis*)

Fringed myotis (bat) (*Myotis thysanodes*)

Loggerhead shrike (*Lanius ludovicianus*)

Long-eared myotis (bat) (*Myotis evotis*)

Long-legged myotis (bat) (*Myotis volans*)

Northern goshawk (*Accipiter gentilis*)

Northern sagebrush lizard (*Sceloporus graciosus graciosus*)

Olive-sided flycatcher (*Contopus borealis*)

Pale Townsend's (= western) big-eared bat (*Corynorhinus* (= *Plecotus*) *townsendii pallescens*)

Redband trout (*Oncorhynchus mykiss gairdnerii*)

Small-footed myotis (bat) (*Myotis ciliolabrum*)

Western burrowing owl (*Athene cunicularia hypugea*)

²Westslope cutthroat trout (*Oncorhynchus* (= *Salmo*) *clarki lewisi*)

Yuma myotis (bat) (*Myotis yumanensis*)

Plants

Haplopappus liatrisformis (Palouse goldenweed)

Silene spaldingii (Spalding's silene)

¹This species was discovered in Okanogan County in 1997, the first known occurrence in Washington. It was previously known from the Snake River basin in Idaho and a few locations in Colorado, Montana, Nebraska and Wyoming. Until adequate surveys have been made it should be considered to be possibly present. Please see the enclosed description for further information.

² The Service has been petitioned to list this species under the Endangered Species Act. Although petitioned species receive no protection under the Act, a petition is an early step in the listing process. In its 90-day finding, published June 10, 1998, in the Federal Register (63 FR 31691), the Service found that the petition presented substantial information that listing this species may be warranted. The Service is now surveying the status of the species range-wide, preparatory to making a 12-month finding, due March 10, 1999.

STEVENS COUNTY

LISTED

Endangered

Gray wolf (*Canis lupus*)
 Peregrine falcon (*Falco peregrinus*)
 Woodland caribou (*Rangifer tarandus caribou*)

Threatened

Bald eagle (*Haliaeetus leucocephalus*)
 Bull trout (*Salvelinus confluentus*)
 Grizzly bear (*Ursus arctos* = *U.a. horribilis*)
¹*Spiranthes diluvialis* (Ute ladies'-tresses)

PROPOSED

Canada lynx (*Lynx canadensis*)

CANDIDATE

None

SPECIES OF CONCERN

Animals

Black tern (*Chlidonias niger*)
 California bighorn sheep (*Ovis canadensis californiana*)
 California floater (mussel) (*Anodonta californiensis*)
 California wolverine (*Gulo gulo luteus*)
 Columbia pebblesnail (*Fluminicola* (= *Lithoglyphus*) *columbianus*) [great Columbia River spire snail]
 Columbian sharp-tailed grouse (*Tympanuchus phasianellus columbianus*)
 Columbia spotted frog (*Rana luteiventris*) (= *Rana pretiosa*, eastern population)
 Fringed myotis (bat) (*Myotis thysanodes*)
 Loggerhead shrike (*Lanius ludovicianus*)
 Long-eared myotis (bat) (*Myotis evotis*)
 Long-legged myotis (bat) (*Myotis volans*)
 Northern goshawk (*Accipiter gentilis*)
 Northern sagebrush lizard (*Sceloporus graciosus graciosus*)
 Olive-sided flycatcher (*Contopus borealis*)
 Pacific fisher (*Martes pennanti pacifica*)
 Pale Townsend's (= western) big-eared bat (*Corynorhinus* (= *Plecotus*) *townsendii pallescens*)

Potholes meadow vole (*Microtus pennsylvanicus kincaidi*)
Redband trout (*Oncorhynchus mykiss gairdnerii*)
Small-footed myotis (bat) (*Myotis ciliolabrum*)
Western burrowing owl (*Athene cunicularia hypugea*)
²Westslope cutthroat trout (*Oncorhynchus* (= *Salmo*) *clarki lewisi*)
Yuma myotis (bat) (*Myotis yumanensis*)

Plants

Botrychium crenulatum
Botrychium paradoxum
Botrychium pedunculatum

¹This species was discovered in Okanogan County in 1997, the first known occurrence in Washington. It was previously known from the Snake River basin in Idaho and a few locations in Colorado, Montana, Nebraska and Wyoming. Until adequate surveys have been made it should be considered to be possibly present. Please see the enclosed description for further information.

² The Service has been petitioned to list this species under the Endangered Species Act. Although petitioned species receive no protection under the Act, a petition is an early step in the listing process. In its 90-day finding, published June 10, 1998, in the Federal Register (63 FR 31691), the Service found that the petition presented substantial information that listing this species may be warranted. The Service is now surveying the status of the species range-wide, preparatory to making a 12-month finding, due March 10, 1999.

WALLA WALLA COUNTY

LISTED

Endangered

Peregrine falcon (*Falco peregrinus*)

Threatened

Bald eagle (*Haliaeetus leucocephalus*)

Bull trout (*Salvelinus confluentus*)

¹*Spiranthes diluvialis* (Ute ladies'-tresses)

PROPOSED

None

CANDIDATE

None

SPECIES OF CONCERN

Animals

Black tern (*Chlidonias niger*)

California floater (mussel) (*Anodonta californiensis*)

Columbia pebblesnail (*Fluminicola* (= *Lithoglyphus*) *columbianus*) [great Columbia River spire snail]

Columbia spotted frog (*Rana luteiventris*) (= *Rana pretiosa*, eastern population)

Ferruginous hawk (*Buteo regalis*)

Fringed myotis (bat) (*Myotis thysanodes*)

Harlequin duck (*Histrionicus histrionicus*)

Loggerhead shrike (*Lanius ludovicianus*)

Long-eared myotis (bat) (*Myotis evotis*)

Long-legged myotis (bat) (*Myotis volans*)

Margined sculpin (*Cottus marginatus*)

Northern goshawk (*Accipiter gentilis*)

Northern sagebrush lizard (*Sceloporus graciosus graciosus*)

Olive-sided flycatcher (*Contopus borealis*)

Pacific lamprey (*Lampetra tridentata*)

Pale Townsend's (= western) big-eared bat (*Corynorhinus* (= *Plecotus*) *townsendii pallescens*)

Redband trout (*Oncorhynchus mykiss gairdnerii*)

River lamprey (*Lampetra ayresi*)

Small-footed myotis (bat) (*Myotis ciliolabrum*)

Tailed frog (*Ascaphus truei*)

Washington ground squirrel (*Spermophilus washingtoni*)

Western burrowing owl (*Athene cunicularia hypugea*)

²Westslope cutthroat trout (*Oncorhynchus* (= *Salmo*) *clarki lewisi*)

Yuma myotis (bat) (*Myotis yumanensis*)

Plants

Astragalus kentrophyta var. *Douglasii* (thistle milk-vetch)

Lupinus cusickii (Cusick's lupine)

Phacelia minutissima (dwarf or least phacelia)

¹This species was discovered in Okanogan County in 1997, the first known occurrence in Washington. It was previously known from the Snake River basin in Idaho and a few locations in Colorado, Montana, Nebraska and Wyoming. Until adequate surveys have been made it should be considered to be possibly present. Please see the enclosed description for further information.

² The Service has been petitioned to list this species under the Endangered Species Act. Although petitioned species receive no protection under the Act, a petition is an early step in the listing process. In its 90-day finding, published June 10, 1998, in the Federal Register (63 FR 31691), the Service found that the petition presented substantial information that listing this species may be warranted. The Service is now surveying the status of the species range-wide, preparatory to making a 12-month finding, due March 10, 1999.

WHITMAN COUNTY

LISTED

Endangered

Peregrine falcon (*Falco peregrinus*)

Threatened

Bald eagle (*Haliaeetus leucocephalus*)

Bull trout (*Salvelinus confluentus*)

¹*Spiranthes diluvialis* (Ute ladies'-tresses)

PROPOSED

None

CANDIDATE

None

SPECIES OF CONCERN

Animals

Black tern (*Chlidonias niger*)

California floater (mussel) (*Anodonta californiensis*)

Columbia pebblesnail (*Fluminicola* (= *Lithoglyphus*) *columbianus*) [great Columbia River spire snail]

Columbia spotted frog (*Rana luteiventris*) (= *Rana pretiosa*, eastern population)

Ferruginous hawk (*Buteo regalis*)

Fringed myotis (bat) (*Myotis thysanodes*)

Loggerhead shrike (*Lanius ludovicianus*)

Long-eared myotis (bat) (*Myotis evotis*)

Long-legged myotis (bat) (*Myotis volans*)

Northern goshawk (*Accipiter gentilis*)

Northern sagebrush lizard (*Sceloporus graciosus graciosus*)

Pacific lamprey (*Lampetra tridentata*)

Pale Townsend's (= western) big-eared bat (*Corynorhinus* (= *Plecotus*) *townsendii pallescens*)

Redband trout (*Oncorhynchus mykiss gairdnerii*)

Small-footed myotis (bat) (*Myotis ciliolabrum*)

Western burrowing owl (*Athene cunicularia hypugea*)

²Westslope cutthroat trout (*Oncorhynchus* (= *Salmo*) *clarki lewisi*)

Yuma myotis (bat) (*Myotis yumanensis*)

Plants

Aster jessicae (Jessica's aster)

Calochortus longebarbatus var. *longebarbatus* (Long-haired star-tulip)

Calochortus nitidus (broad-fruit mariposa)

Cypripedium fasciculatum (clustered lady's-slipper)

Haplopappus liatrifolius (Palouse goldenweed)

Polemonium pectinatum (Washington polemonium)

Rubus nigerrimus (northwest raspberry)

Silene spaldingii (Spalding's silene)

¹This species was discovered in Okanogan County in 1997, the first known occurrence in Washington. It was previously known from the Snake River basin in Idaho and a few locations in Colorado, Montana, Nebraska and Wyoming. Until adequate surveys have been made it should be considered to be possibly present. Please see the enclosed description for further information.

² The Service has been petitioned to list this species under the Endangered Species Act. Although petitioned species receive no protection under the Act, a petition is an early step in the listing process. In its 90-day finding, published June 10, 1998, in the Federal Register (63 FR 31691), the Service found that the petition presented substantial information that listing this species may be warranted. The Service is now surveying the status of the species range-wide, preparatory to making a 12-month finding, due March 10, 1999.

YAKIMA COUNTY

LISTED

Endangered

Gray wolf (*Canis lupus*)
Peregrine falcon (*Falco peregrinus*)

Threatened

Bald eagle (*Haliaeetus leucocephalus*)
Bull trout (*Salvelinus confluentus*)
Grizzly bear (*Ursus arctos* = *U.a. horribilis*)
Marbled murrelet (*Brachyramphus marmoratus marmoratus*)
Northern spotted owl (*Strix occidentalis caurina*)
¹*Spiranthes diluvialis* (Ute ladies'-tresses)

Designated

Critical habitat for the northern spotted owl

PROPOSED

None

CANDIDATE

Erigeron basalticus (basalt daisy)

SPECIES OF CONCERN

Animals

Black tern (*Chlidonias niger*)
California bighorn sheep (*Ovis canadensis californiana*)
California wolverine (*Gulo gulo luteus*)
Cascades frog (*Rana cascadae*)
Columbia spotted frog (*Rana luteiventris*) (= *Rana pretiosa*, eastern population)
Ferruginous hawk (*Buteo regalis*)
Fringed myotis (bat) (*Myotis thysanodes*)
Harlequin duck (*Histrionicus histrionicus*)
Little willow flycatcher (*Empidonax traillii brewsteri*)
Loggerhead shrike (*Lanius ludovicianus*)
Long-eared myotis (bat) (*Myotis evotis*)

Long-legged myotis (bat) (*Myotis volans*)
 Northern goshawk (*Accipiter gentilis*)
 Northern sagebrush lizard (*Sceloporus graciosus graciosus*)
 Olive-sided flycatcher (*Contopus borealis*)
 Pacific fisher (*Martes pennanti pacifica*)
 Pacific lamprey (*Lampetra tridentata*)

Pale Townsend's (= western) big-eared bat (*Corynorhinus* (= *Plecotus*) *townsendii pallescens*)
 Redband trout (*Oncorhynchus mykiss gairdnerii*)
 River lamprey (*Lampetra ayresi*)
 Small-footed myotis (bat) (*Myotis ciliolabrum*)
 Tailed frog (*Ascaphus truei*)
 Western gray squirrel (*Sciurus griseus griseus*)
 Western burrowing owl (*Athene cunicularia hypugea*)
 Western sage grouse (*Centrocercus urophasianus phaios*)
²Westslope cutthroat trout (*Oncorhynchus* (= *Salmo*) *clarki lewisi*)
 Yuma myotis (bat) (*Myotis yumanensis*)

Plants

Astragalus columbianus (Columbia milk-vetch)
Calochortus longebarbatus var. *longebarbatus* (Long-haired star-tulip)
Castilleja cryptantha (obscure paintbrush)
Cypripedium fasciculatum (clustered lady's-slipper)
Lomatium tuberosum (Hoover's desert-parsley)
Sisyrinchium sarmentosum (pale blue-eyed grass)
Tauschia hooveri (Hoover's *tauschia*)

¹This species was discovered in Okanogan County in 1997, the first known occurrence in Washington. It was previously known from the Snake River basin in Idaho and a few locations in Colorado, Montana, Nebraska and Wyoming. Until adequate surveys have been made it should be considered to be possibly present. Please see the enclosed description for further information.

² The Service has been petitioned to list this species under the Endangered Species Act. Although petitioned species receive no protection under the Act, a petition is an early step in the listing process. In its 90-day finding, published June 10, 1998, in the Federal Register (63 FR 31691), the Service found that the petition presented substantial information that listing this species may be warranted. The Service is now surveying the status of the species range-wide, preparatory to making a 12-month finding, due March 10, 1999.

ENCLOSURE B

FEDERAL AGENCIES' RESPONSIBILITIES UNDER SECTIONS 7(a) AND 7(c)
OF THE ENDANGERED SPECIES ACT OF 1973, AS AMENDED

SECTION 7(a) - Consultation/Conference

Requires:

1. Federal agencies to utilize their authorities to carry out programs to conserve endangered and threatened species;
2. Consultation with FWS when a Federal action may affect a listed endangered or threatened species to ensure that any action authorized, funded, or carried out by a Federal agency is not likely to jeopardize the continued existence of listed species or result in the destruction or adverse modification of critical habitat. The process is initiated by the Federal agency after it has determined that its action may affect (adversely or beneficially) a listed species; and
3. Conference with FWS when a Federal action is likely to jeopardize the continued existence of a proposed species or result in destruction or adverse modification of proposed critical habitat.

SECTION 7(c) - Biological Assessment for Construction Projects¹

Requires Federal agencies or their designees to prepare a Biological Assessment (BA) for major construction projects. The BA analyzes the effects of the action, including indirect effects and effects of interrelated or interdependent actions, on listed and proposed species. The process is initiated by a Federal agency requesting a list of proposed and listed threatened and endangered species. The BA should be completed within 180 days of initiation, or a time period that is mutually agreeable. If the BA is not initiated within 90 days of receipt of the species list, the current accuracy of the list must be verified with the FWS. No irreversible commitment of resources is to be made during the BA process which would foreclose reasonable and prudent alternatives to protect the species. Planning, design, and administrative actions may be taken; however, no construction may begin.

To complete the BA, your agency or its designee should: (1) conduct an onsite inspection of the area to be affected by the proposal, which may include a detailed survey of the area to determine if the species is present and whether suitable habitat exists; (2) review literature and scientific data to determine species distribution, habitat needs, and other biological requirements; (3) interview experts including those within the FWS, state conservation department, universities, and others who may have data not yet published in scientific literature; (4) review and analyze the effects of the proposal on the species in terms of individuals and populations, including consideration of cumulative effects of the proposal on the species and its habitat; (5) analyze alternative actions that may provide conservation measures; and (6) prepare a report documenting the results, including a discussion of study methods used, any problems encountered, and other relevant information. The completed BA should be forwarded to this office.

1. "Major construction project" means any major federal action which significantly affects the quality of the human environment (requiring an EIS), designed primarily to result in the building or erection of human-made structures such as dams, buildings, roads, pipelines, channels, and the like. This includes federal action such as permits, grants, licenses, or other forms of federal authorization or approval which may result in construction.

Spiranthes diluvialis
Ute Ladies'-tresses (Threatened)

Species description

Spiranthes diluvialis (Orchid family - Orchidaceae) is a perennial, terrestrial orchid with stems 20 to 50 centimeters (cm) (8 to 20 in) tall, arising from tuberously thickened roots. Its narrow leaves are about 28 cm (11 in) long at the base of the stem, and become reduced in size going up the stem. The flowers consist of 7 to 32 small (7.5 to 15 mm)(3/8 to 5/8 in) white or ivory flowers clustered into a spike arrangement at the top of the stem. The species is characterized by whitish, stout, ringent (gaping at the mouth) flowers. The sepals and petals, except for the lip, are rather straight, although the lateral sepals are variably oriented, with these often spreading abruptly from the base of the flower. Sepals are sometimes free to the base.

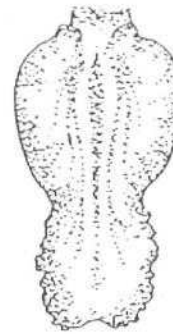
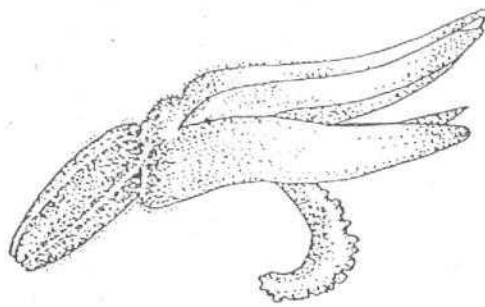
The non-blooming plants are very similar to those of the widespread species, *Spiranthes romanzoffiana*. It is normally possible to positively identify Ute ladies'-tresses only when it is flowering. *S. romanzoffiana* has a tight helix of inflated ascending flowers around the spike and lateral appressed sepals. *S. diluvialis* has flowers facing directly away from the stalk, neither ascending nor nodding, and appressed or free lateral sepals. (See attached drawing.) Ute ladies'-tresses generally blooms from late July through September, depending on location and climatic conditions. In some areas, this species may bloom in early July or flower as late as early October.

Mature plants may remain dormant for one or more growing seasons without producing above ground shoots, or may exhibit vegetative shoots only. Orchids generally require symbiotic associations with mycorrhizal fungi for seed germination. Many plants of some *Spiranthes* species are initially saprophytic, persisting underground for several years before emerging above ground (USFWS 1995). Bumblebees are apparently required for pollination.

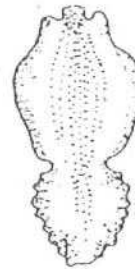
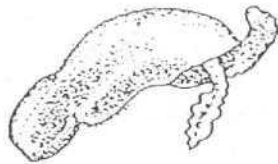
Spiranthes diluvialis was first described in 1984 (Sheviak 1984), and is not yet found in many of the dichotomous keys commonly used for plants in the Northwest or Great Basin regions.

References Cited

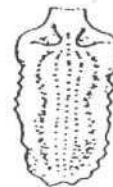
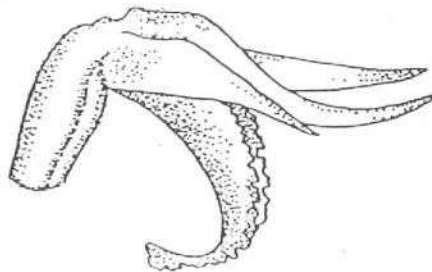
- Sheviak, C.J. 1984. *Spiranthes diluvialis* (Orchidaceae), a new species from the western United States. *Brittonia* 36(1):8-14.
- U.S. Fish and Wildlife Service (USFWS). 1995. Ute Ladies'-tresses (*Spiranthes diluvialis*) Agency Review Draft Recovery Plan. Prepared by the Ute Ladies'-tresses Recovery Team for Region 6, USFWS, Denver, Colorado



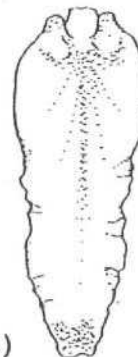
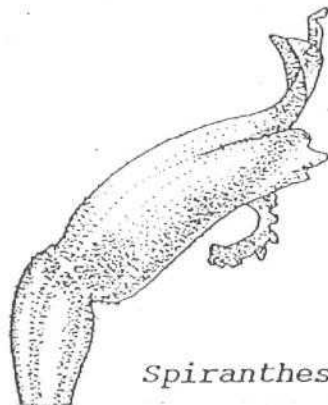
Spiranthes diluvialis (x5)



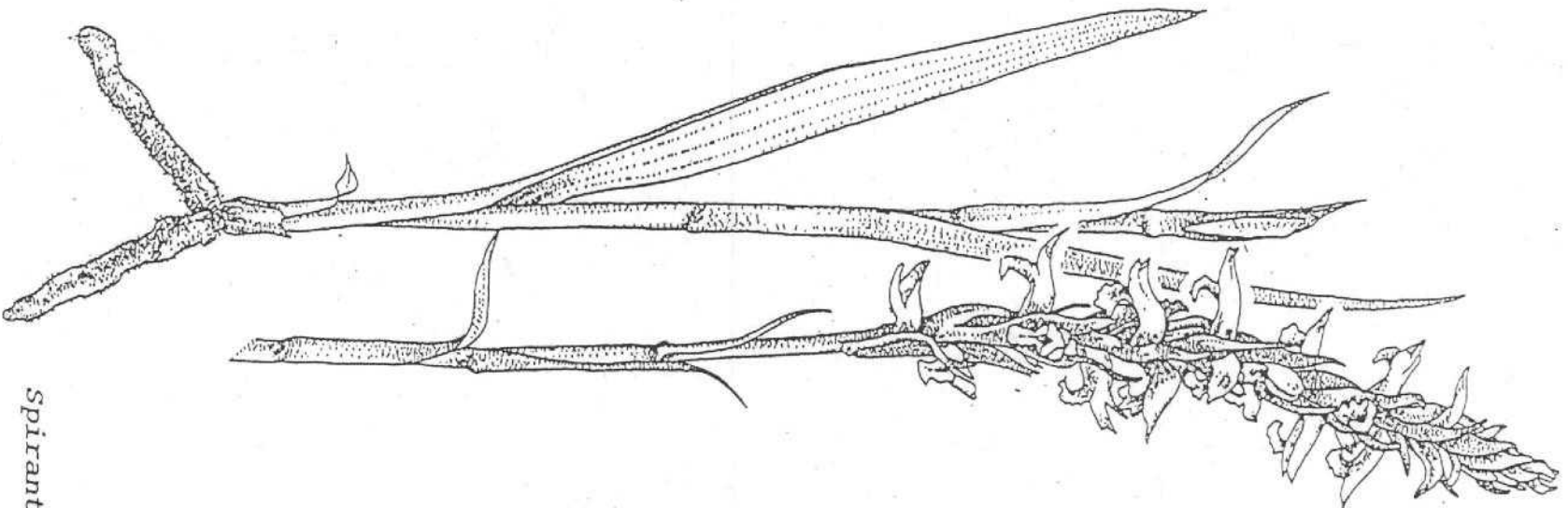
Spiranthes romanzoffiana (x5)



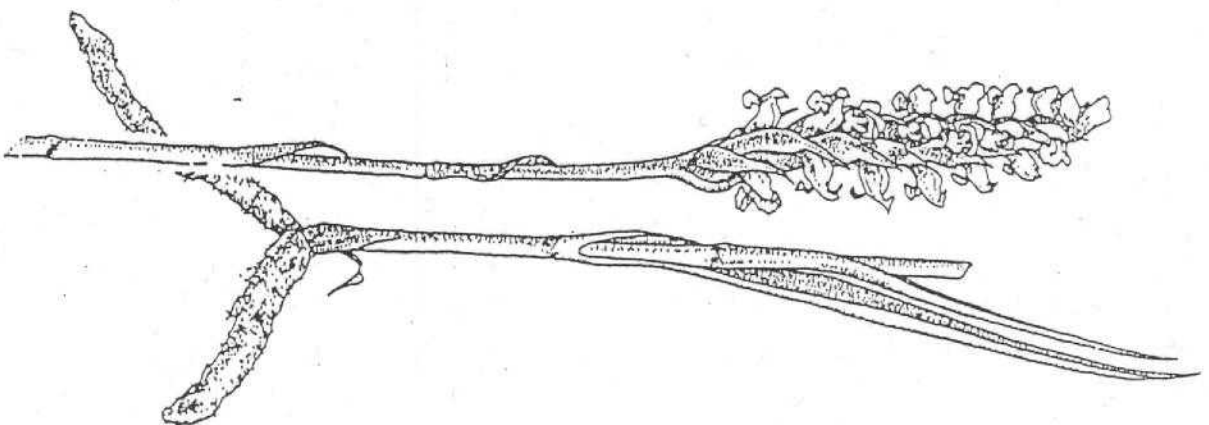
Spiranthes magnicamporum (x5; lip x2)



Spiranthes porrifolia (x5)



Spiranthes diluvialis (x1)



Spiranthes romanzoffiana (x1)